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| Plan No Date Calculated by | |
|----------------------------------|--|
| Signature | |

| HRAI / OEL Residential Heat Loss and Heat Gain Calculations Page 1. | | | | | | | | | | |
|--|--|-------------|------------------------|--|------------|--|-----------------------------------|-----------|--|--|
| Address | | | | | | Pho | ne | | | |
| Address City and Pr | | | | Phone — | | | | | | |
| SECTION A DESIGN CONDITIONS | | | | | | | | | | |
| Outdoor Design Ter Mean Soil Tempera Indoor Design Tem Remarks | Indoor Design TemperatureF/C | | | | | | | | | |
| | | | | | | | | | | |
| SECTION B | HEAT LO | OSS SUM | MARY | SECTION C HEAT GAIN SUMMARY | | | | | | |
| Total Heat Loss Ventilation Heat Loss Sub Total Heat Loss Heated Area (from Air | (Section ' | 19) 17) | Btuh / kw Btuh / kw | Total Heat Gain (Section 22) Btuh / kw Ventilation Heat Gain (Section 20) Btuh / kw Sub Total Heat Gain (Section 18) Btuh / kw Cooled Area (from Air Leakage Aflb) ft² /m² | | | | | | |
| SECTION D EQUIPMENT SUMMARY Make Model Type Heating Input (Btuh /kw) Heating Output (Btuh / kw) Efficiency Cooling (Btuh / kw) Cooling CFM / L/s Heating CFM / L/s | | | | | | | | | | |
| SECTION E he | ating and c | ooling requ | uirements f | for each roo | m note: sh | aded areas | for inspec | tion only | | |
| room or area name and identify carefully | heat gain calculated watts/ Btuh | | | room or area name and identify carefully | | heat gain calculated watts/ Btuh | heat calculated watts/ Btuh | installed | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| Installed Cap | acity Approva | | A property of | | | | | | | |
| Inspected by: | | | | Installed cooling capacity | TOTALS | | | | | |
| | Inspection (|) / N | | | | Section 18 | Section 17 | | | |

E.& O.E.

| 1. GROSS E WALLS | | STRU | ICTURE R-V | | HLΔT | T | | | IL- | RM | |
|--|--|--|------------|----------|---|-------------------|-----------|--|-----------------|-----------------------|--------------|
| 1. GROSS E | | JIKU | | | | 60 | (1) | C AT + CA | 1 L- | IZIVI | |
| | EXPOSED | | / " | ΔIIIF | R | SC | 7.1 | $\frac{G\Delta T + SC}{R}$ | W- | LICAT | LICAT |
| | EXPOSED | | ſ | | | | | | H- | HEAT LOSS | HEAT GAIN |
| | XPOSED | | Col | 1 | Col 2 | Col 3 | | Col 4 | Α- | 2000 | OAIN |
| | EXPOSED | | | | | - | - | | | | |
| WALLS | | | | | | - | | | - | and her times and the | |
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| A STATE OF THE PARTY OF THE PAR | | | | | | | | | 1 | | |
| | | | | | *************************************** | 100000 | CLF = | : | | | |
| 2. WINDOW | S. PATIO | | | | | | CLF = | | | | |
| GLASS, (| GLASS | | | | | 建二字 | CLF = | | | | |
| DOORS A | 534 V. S. A. C. S. | | | | | 多 本意 | CLF = | | | | |
| SKYLIGH | TS | | | | | | CLF = | ! | | | |
| | | | | | | | CLF = | | | | |
| 3. OTHER E | XPOSED | | | | | | | | | | |
| DOORS | | | | | | | | | - | | |
| a distriction problems | | | | | | | | | | | |
| 4. NET EXPO | DSED | | | | | | | | | | |
| WALLS | - | | | | | | | | | | |
| | | | | | | | | | - | | |
| 5. HEADER | AREAS | | | | | | | | | | |
| 6. EXPOSED | | | | | | | | | | | |
| CEILINGS | 8 | | | | | | | | - | | |
| 7. EXPOSED | | | | | | | | | | | · |
| FLOORS | - | | | | | | 1 | | 1 | | |
| 0. OTHER | | - | | | | | | | | | |
| 8. OTHER | | | | | | | | | | | |
| | | | DEPTH | FACTO | R X BAS | SEMENT | ΔT = | BGHLM | XPER | | |
| 9. BELOW | WALLS | 1 | | X = | | | | | | | |
| GRADE | | 2 | | | | | | | | | |
| HEAT LOSS | | | DEPTH | FACTO | R X BAS | SEMENT | ΔT = | BGHLM | X AREA | | |
| FLOOR | | | | X | | = | | | | | |
| | | 2 | ATLOGO | <u> </u> | X | | = | | | | |
| 0. TOTAL CO | NDUCTIVE | | AT LOSS | | | | | | | TAN BEAUTIFUL BEING | |
| | | HEAT GAIN HEAT LOSS AIR LEAKAGE MULTIPLIER | | | | | | | | | |
| 1. AIR LEAK | 1. AIR LEAKAGE HEAT GAIN AIR LEAKAGE MULTIPLIER HEAT GAIN AIR LEAKAGE MULTIPLIER | | | | | | | | | | |
| 2. INTERNAL HEAT GAIN (PEOPLE AND APPLIANCES) | | | | | | | | | | | |
| 3. NET LOAD | | | | | | | | | | 四 四 四 四 四 | |
| 4. DUCT/PIPE HEAT LOSS/GAIN THROUGH UNCONDITIONED SPACES | | | | | | LOSS | | | | | |
| 5. TOTAL HEAT LOSS FOR EACH ROOM (ADD SECTIONS 13 + 14) | | | | | | | | GAIN | | Legional Control | |
| 16. TOTAL HE | AT GAIN FO | REAC | H ROOM | (ADD SE | CTIONS 1 | 3 + 14) v | 131 | | | | |
| | | | | | OTIONS (I | 0 · 14) X | 1.0) | 24 TOTA | | | |
| O OUD TOTAL UPAT OADS (MUSIC FURNISH) | | | | | | 21. TOTAL HEAT | | | | | |
| | NEW THE ATTENDED | | | | | | 22. TOTAL | The second secon | | | |
| 0. VENTILAT | | | | | | | | HEAT | Triber Services | | |